

CLAIMS

1. A function expanding device comprising
an error inducing means for intentionally causing an error when
a conventional WWW server processes a URL,
a character string processing means which carries out a processing
by using at least a URL path part of data which said conventional
WWW server stores in a memory means, and
a branch processing means which makes the process branch off from
said conventional WWW server into said character string
processing means when the error is caused by said error inducing
means.

2. A function expanding device comprising
an error inducing means for intentionally causing an error when
a conventional WWW server processes a URL,
a character string processing means which carries out a processing
by using at least a URL path part of data which said conventional
WWW server stores in a memory means, and
a branch processing means which makes the process branch off from
said conventional WWW server into said character string
processing means when the error is caused by said error inducing
means;

wherein the function expanding device further comprises a
condition modifying means which alters the degree and timing etc.
of errors caused by said error inducing means.

3. A function expanding device according to Claim 1 or Claim 2,
said function expanding device comprising one, two or more means
among said error inducing means, said character string processing

means and said branch processing means, without modifying fixed portion(s) of the conventional WWW server.

4. A function expanding device according to Claim 1 or Claim 2, wherein:

the URL which contains said URL path part stems from the client-side inputted character string which is entered in a URL input/display field of a WWW client, and
said character string processing means comprising a acquisition means for acquiring said client-side inputted character string with the same expression of the form when it is inputted except for portion(s) which cannot be transmitted by any form toward WWW server(s).

5. A function expanding device according to Claim 1 or Claim 2, wherein:

the URL which contains said URL path part
stems from the client-side inputted character string which is entered or set up by the methods other than entering in a URL input/display field of a WWW client, and
said character string processing means comprising a acquisition means for acquiring said client-side inputted character string with the same expression of the form when it is inputted except for portion(s) which cannot be transmitted by any form toward WWW server(s).

6. A function expanding device according to Claim 4 or Claim 5, wherein:

said URL path part contains Kanji, Hiragana or Katakana but does not contain a character string which is defined as a indicator

for transmitting parameter(s) to CGI programs etc. by RFCs as far as the character string is used in the meaning as its definition.

7. A function expanding device according to Claim 4 or Claim 5, wherein said URL path part includes at least one item selected from the group consisting of the following items (i), (ii) and (iii):

- (i) it contains Japanese or a word or phrase in different nation(s) or region(s),
- (ii) it contains an expression using symbols etc. which are used in specific scientific fields etc., or
- (iii) it contains a command of the computer language or data.

8. A function expanding device according to Claim 4 or Claim 5, wherein said URL path part contains a character string which instructs searching.

9. A function expanding device according to Claim 4 or Claim 5, wherein said character string processing means comprises at least one of the following items:

- (i) a special character string normalize interpretation means which processes at least one of character strings which are given special meaning by RFCs, as initial character data; or
- (ii) a normal character string specialize interpretation means which processes a character string defined in advance or defined at any time, as in the case of character string which is given special meaning by RFCs.

10. A function expanding device comprising

an error inducing means processing step for intentionally causing an error when an existent information processing means carries out information processing,

an external information processing means which carries out a processing outside said existent information processing means using a part or all of the information processing results obtained by said existent information processing means, and

a branch processing means which makes the process branch off from said existent information processing means into the external information processing means when the error is caused by said error inducing means.

11. A function expanding device according to Claim 10 comprising a condition modifying means which alters the degree and timing etc. of errors caused by said error inducing means.

12. A function expanding method comprising
an error-induction setting-up step for intentionally causing an error when a conventional WWW server processes a URL,
a character string processing step which carries out a processing by using at least a URL path part among data which said conventional WWW server stores in a memory section, and
a branch processing step which makes the process branch off from said conventional WWW server into said character string processing step when the error is caused by said error-induction setting-up step.

13. A recording medium recorded with a function expanding program comprising
an error-induction setting-up step for intentionally causing an

error when a conventional WWW server processes a URL, a character string processing step which carries out a processing by using at least a URL path part among data which said conventional WWW server stores in a memory section, and a branch processing step which makes the process branch off from said conventional WWW server into said character string processing step when the error is caused by said error-induction setting-up step.

14. A function expanding device comprising an external information processing means which carries out a processing outside said existent information processing means using a part or all of the information processing results obtained by said existent information processing means when an existent information processing means carries out information processing, and a branch processing means which makes the process branch off from said existent information processing means into the external information processing means when an error is caused.

15. A function expanding device comprising a character string processing means which carries out a processing by using a part or all of data which a conventional WWW server stores in a memory means when the conventional WWW server processes a URL, and a branch processing means which makes the process branch off from said conventional WWW server into said character string processing means when an error is caused.